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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**PATENT**

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the Matter of the Application of:

Frank Liu

Serial No.: 10/663,136

Filed: September 16, 2003

For: Apparatus, Methods And Articles Of Manufacture For Pre-emphasis  
Filtering Of A Modulated Signal

Examiner: Unknown Group Art Unit: 2817

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MAIL STOP: AMENDMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on May 5, 2006.

  
Paula M. Capriglione

**SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT TRANSMITTAL LETTER**

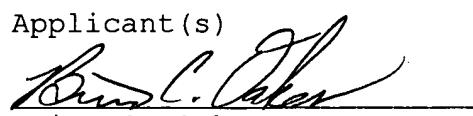
Sir:

An Information Disclosure Statement is submitted herewith pursuant to 37 CFR §§1.97-1.98. The enclosed statement is being filed before a first Office Action on the merits. Accordingly, no fee is deemed necessary.

If necessary, permission is hereby given to the Commissioner to charge Deposit Account No. 23-1950 in the amount of \$180 required by 37 CFR §1.17(p).

Respectfully Submitted,

Frank Liu  
Applicant(s)

  
Brian C. Oakes  
Registration No. 41,467  
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Phone: (302) 633-2770  
Facsimile: (302) 633-2776

10/663,136  
18098

FORM PTO-1449  
(Rev. 2-32)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. / DOCKET NO. / SERIAL NO.  
BCO / 18098 / 10/663,136

MAY 08 2006

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
Frank LiuFILING DATE / GROUP  
9/16/03 / 2817

## U.S. PATENT DOCUMENTS

EXAM INIT		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FIL. DATE
	AA	5,524,286	6/96	Chiesa et al.	455	126	
	AB	5,598,436	1/97	Brajal et al.	375	297	
	AC	5,905,760	5/99	Schnabl et al.	375	296	
	AD	5,952,895	9/99	McCune, Jr. et al.	332	128	
	AE	6,043,707	3/00	Budnik	330	10	
	AF	6,094,101	7/00	Sander et al.	331	17	
	AG	6,125,266	9/00	Matero et al.	455	126	
	AH	6,140,882	10/00	Sander	331	25	
	AI	6,147,553	11/00	Kolanek	330	10	
	AJ	6,255,912	7/01	Laub et al.	331	25	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRNS Y/N
	AK						
	AL						
	AM						
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Frank Liu**FILING DATE / GROUP**  
9/16/03 / 2817**U.S. PATENT DOCUMENTS**

EXAM INIT		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FIL. DATE
	AA	6,449,465	9/02	Gailus et al.	455	126	
	AB	6,621,340	9/03	Perthold et al.	330	149	
	AC	6,834,084	12/04	Hietala	375	296	
	AD	US 2002/0098812	7/02	Sourour et al.	455	91	
	AE	US 2002/0186783	12/02	Opas et al.	375	297	
	AF	US 2002/0193085	12/02	Mathe et al.	455	126	
	AG	US 2003/0031267	2/03	Hietala	375	295	
	AH	US 2003/0095608	5/03	Duperray	375	297	
	AI	US 2003/0215025	11/03	Hietala	375	297	
	AJ	US 2003/0215026	11/03	Hietala	375	297	

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EXAM INIT		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FIL. DATE
	AA	US 2004/0021517	2/04	Irvine et al.	330	151	
	AB	US 2004/0047432	3/04	Iwasaki	375	297	
	AC	US 2005/0017801	1/05	Bachman, II et al.	330	149	
	AD	US 2005/0122164	6/05	Brandt et al.	330	10	
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